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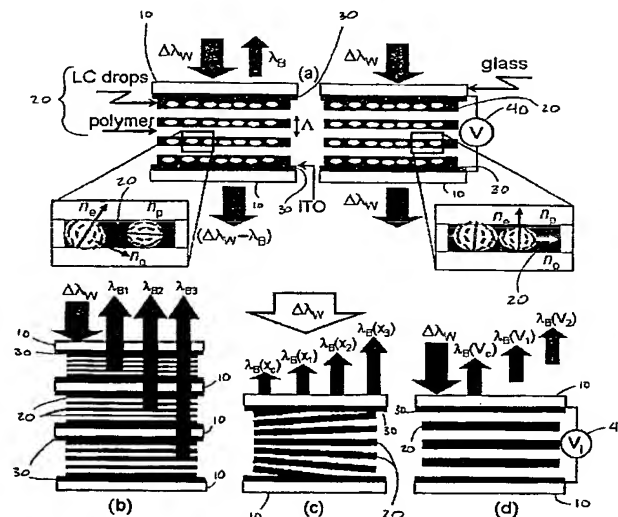
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(54) Title: NON-INVASIVE SPECTROSCOPY OF MAMMALIAN TISSUES



(57) Abstract: In the spectrometric device of this invention the objective lens and diffraction grating are replaced with a spectral imaging apparatus on electrically switchable color filter technology. The spectrometric device comprises wavelength filter means as the spectral imaging apparatus for transmitting or reflecting wavelengths of light, light intensity sensor means arranged and disposed to measure the intensity of the wavelengths transmitted or reflected by the wavelength filter means and generate an electrical signal from the wavelengths transmitted or reflected, output processing means connected to the light intensity sensor means to receive and process the output from the light intensity sensor means, and display means connected to the output processing means to display the output.



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